Siemens Building Technologies

SAPHIR SIO Driver

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Introduction

This manual describes how to connect the Display and the External Device.

In this manual, the connection procedure is described in the sections identified below:



1 System Configuration

The following section shows system configurations for connecting Siemens Building Technologies External Devices and the Display.

Series	CPU	Link I/F	SIO Type	Setting Example	Cable Diagram
	ACC88				
	ACX32	CPU Service Interface	RS-232C	Setting Example 1 (page 7)	Cable Diagram 1 (page 14)
	ACX34				
	ACX36				
SAPHIR	ACX38				
	HRC3.1				
	HRC3.2				
	RBX-Core				
	RCX34.2				

NOTE

• Set the execution time of the logic functions in the Display to "100 ms" or less. If the longer time is set, an error may occur in the communication with the external device.

Connection Configuration

1:1 Connection



• Connecting External Devices to multiple COM ports on IPC Series will degrade performance. Please use a 1:1 connection.

■ IPC COM Port

When connecting IPC with an External Device, the COM port used depends on the series and SIO type. Please refer to the IPC manual for details.

Usable port

Series	Usable Port			
Genes	RS-232C	RS-422/485(4 wire)	RS-422/485(2 wire)	
PS-2000B	COM1 ^{*1} , COM2, COM3 ^{*1} , COM4	-	-	
PS-3450A, PS-3451A, PS3000-BA, PS3001-BD	COM1, COM2 ^{*1*2}	COM2 ^{*1*2}	COM2 ^{*1*2}	
PS-3650A (T41 model), PS-3651A (T41 model)	COM1 ^{*1}	-	-	
PS-3650A (T42 model), PS-3651A (T42 model)	COM1 ^{*1*2} , COM2	COM1*1*2	COM1*1*2	
PS-3700A (Pentium®4-M) PS-3710A	COM1 ^{*1} , COM2 ^{*1} , COM3 ^{*2} , COM4	COM3 ^{*2}	COM3 ^{*2}	
PS-3711A	COM1 ^{*1} , COM2 ^{*2}	COM2 ^{*2}	COM2 ^{*2}	
PS4000 ^{*3}	COM1, COM2	-	-	
PL3000	COM1 ^{*1*2} , COM2 ^{*1} , COM3, COM4	COM1*1*2	COM1 ^{*1*2}	

*1 The RI/5V can be switched. Use the IPC's switch to change if necessary.

*2 Set up the SIO type with the DIP Switch. Please set up as follows according to SIO type to be used.

*3 When making communication between an External Device and COM port on the Expansion slot, only RS-232C is supported. However, ER (DTR/CTS) control cannot be executed because of the specification of COM port. For connection with External Device, use user-created cables and disable Pin Nos. 1, 4, 6 and 9.

For connection with External Device, use user-created cables and disable Pin Nos. 1, 4, 6 and 9. Please refer to the IPC manual for details of pin layout.

DIP Switch setting: RS-232C

DIP Switch	Setting	Description
1	OFF ^{*1}	Reserved (always OFF)
2	OFF	SIO type: PS 232C
3	OFF	510 type. K5-252e
4	OFF	Output mode of SD (TXD) data: Always output
5	OFF	Terminal resistance (220 Ω) insertion to SD (TXD): None
6	OFF	Terminal resistance (220 Ω) insertion to RD (RXD): None
7	OFF	Short-circuit of SDA (TXA) and RDA (RXA): Not available
8	OFF	Short-circuit of SDB (TXB) and RDB (RXB): Not available
9	OFF	RS (RTS) Auto control mode: Disabled
10	OFF	No (N15) Muto control mode. Disabled

*1 When using PS-3450A, PS-3451A, PS3000-BA and PS3001-BD, turn ON the set value.

4

DIP Switch setting: RS-422/485 (4 wire)

DIP Switch	Setting	Description
1	OFF	Reserved (always OFF)
2	ON	SIQ type: RS-422/485
3	ON	510 type. NS-422/405
4	OFF	Output mode of SD (TXD) data: Always output
5	OFF	Terminal resistance (220 Ω) insertion to SD (TXD): None
6	OFF	Terminal resistance (220 Ω) insertion to RD (RXD): None
7	OFF	Short-circuit of SDA (TXA) and RDA (RXA): Not available
8	OFF	Short-circuit of SDB (TXB) and RDB (RXB): Not available
9	OFF	RS (RTS) Auto control mode: Disabled
10	OFF	No (N15) / Nito control mode. Disabled

DIP Switch setting: RS-422/485 (2 wire)

DIP Switch	Setting	Description
1	OFF	Reserved (always OFF)
2	ON	SIO type: PS 422/485
3	ON	510 type. K5-422/465
4	OFF	Output mode of SD (TXD) data: Always output
5	OFF	Terminal resistance (220 Ω) insertion to SD (TXD): None
6	OFF	Terminal resistance (220 Ω) insertion to RD (RXD): None
7	ON	Short-circuit of SDA (TXA) and RDA (RXA): Available
8	ON	Short-circuit of SDB (TXB) and RDB (RXB): Available
9	ON	RS (RTS) Auto control mode: Enabled
10	ON	NS (NIS) Auto control mode. Endoled

2 External Device Selection

Select the External Device to be connected to the Display.

💰 Welcome to GP-Pro EX		×
GP-Pro 🛃	Device/PLC Number of Devi	ces/PLCs
		Device/PLC 1
	Manufacturer	Siemens Building Technologies 🔹
	Series	SAPHIR SIO
	Port	COM1
		Refer to the manual of this Device/PLC
		Recent Device/PLC
		I
	Use System	Area Device Information
	Back (B	Communication Settings New Logic New Screen Cancel

Setup Items	Setup Description
Number of Devices/ PLCs	Use an integer from 1 to 4 to enter the number of Devices/PLCs to connect to the display.
Manufacturer	Select the manufacturer of the External Device to be connected. Select "Siemens Building Technologies".
Series	Select a model (series) of the External Device and its connection method. Select "SAPHIR SIO". In System configuration, check to make sure the External Device to which you are connecting is supported by the "SAPHIR SIO" driver. In System Configuration" (page 3)
Port	Select the Display port to be connected to the External Device.
Use System Area	Not available for this driver.

3 Communication Settings

This section provides examples of communication settings recommended by Pro-face for the Display and the External Device.

3.1 Setting Example 1

- GP-Pro EX Settings
- Communication Settings

To display the setup screen, from the [Project] menu, point to [System Settings] and select [Device/PLC].

Device/PLC 1		
Summary		Change Device/PLC
Manufacturer Siemer	ns Building Technologies Series SAPHIR SIO	Port COM1
Text Data Mode	2 Change	
Communication Settings		
SIO Type	RS232C C RS422/485(2wire) C RS422/485(4wire)	
Speed	57600	
Data Length	C 7 • 8	
Parity	NONE C EVEN C ODD	
Stop Bit		
Flow Control	NONE C ER(DTR/CTS) C XON/XOFF	
Timeout	3 (sec)	
Retry	2	
Wait To Send	0 (ms)	
RI / VCC	• RI C VCC	
In the case of RS2 or VCC (5V Power Isolation Unit, plea	232C, you can select the 9th pin to RI (Input) : Supply). If you use the Digital's RS232C se select it to VCC	
Device-Specific Settings		
Allowable Number of Devices/PLCs	Add Device	
No. Device Name	Settings	Add Indirect Device
👗 1 PLC1	Data Point Name=,Target=ACX 32/ACX 34	\$

Device Setting

To display the [Individual Device Settings] dialog box, from [Device-Specific Settings] in the [Device/PLC] window, select the external device and click [Settings]

3	
Target Settings	
Target	ACX 32/ACX 34
Data Point Name	Data Point01
	New Edit

NOTE

• To configure the data point, you can create a new data point or import a CSV file.

- ⁽ Creating New Data Points" (page 26)
- ⁽ Importing Data Points" (page 20)

External Device Settings

External Device communication settings are fixed as indicated below.

Setup Items	Setting Value
Baud Rate	57600
Character Length	8
Parity Bit	NONE
Stop Bit	1
Flow Control	NONE

4 Setup Items

Set up the Display's communication settings in GP Pro-EX or in the Display's offline mode.

The setting of each parameter must match that of the External Device.

^(C) "3 Communication Settings" (page 7)

4.1 Setup Items in GP Pro-EX

Communication

To display the setup screen, from the [Project] menu, point to [System Settings] and select [Device/PLC].

Device/PLC 1		
Summary		Change Device/PLC
Manufacturer Siemen	s Building Technologies Series SAPHIR SIO	Port COM1
Text Data Mode	2 Change	
Communication Settings		
SIO Type	© RS232C C RS422/485(2wire) C RS422/485(4wire)	
Speed	57600 💌	
Data Length	• 7 • 8	
Parity	NONE O EVEN O ODD	
Stop Bit	• 1 • 2	
Flow Control	NONE O ER(DTR/CTS) O XON/XOFF	
Timeout	3 (sec)	
Retry	2	
Wait To Send	0 (ms)	
RI / VCC	RI VCC	
In the case of RS2: or VCC (5V Power Isolation Unit, pleas	32C, you can select the 9th pin to RI (Input) Supply). If you use the Digital's RS232C e select it to VCC. Default	
Device-Specific Settings		
Allowable Number of Devices/PLCs	Add Device	
No. Device Name	Settings	Add Indirect Device
👗 1 PLC1	Data Point Name=,Target=ACX 32/ACX 34	\$

Setup Items	Setup Description		
SIO Type	Displays the SIO type to communicate with the External Device.		
Speed	Select the communication speed between the External Device and the Display.		
Data Length	Select the data length.		
Parity	Select how to check parity.		
Stop Bit	Select stop bit length.		
Flow Control	Select the communication control method to prevent overflow of transmission and reception data.		
Timeout	Enter the time (seconds) for which the Display waits for the response from the External Device, from "1 to 127".		
Retry	In case of no response from the External Device, enter how many times the Display retransmits the command, from "0 to 255".		
Wait To Send	Enter the standby time (milliseconds) from when the Display receives packets until it transmits the next command, from "0 to 255".		

Continues to the next page.

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Setup Items	Setup Description		
RI/VCC	Switches the 9th pin between RI and VCC. When connecting to the IPC, to change between RI and 5V you need to use the IPC's changeover switch. Please refer to the IPC manual for details.		

NOTE	Refer to the GP-Pro EX Reference Manual for Indirect Device.
	Cf. GP-Pro EX Reference Manual "Changing the Device/PLC at Runtime (Indirect Device)"

Device Setting

To display the [Individual Device Settings] dialog box, from [Device-Specific Settings] in the [Device/PLC] window, select the external device and click [Settings]

💰 Individual Device Settings		×
PLC1		
Target Settings		
Target	ACX 32/ACX 34	
Data Point Name	Data Point01 🗨	
	New Edit	
	Cancel	

Setup Items	Setup Description		
Target	Select the CPU of the External Device.		
Data Point Name	Select the data point. The select the data point. Select the data point. Select the data point.		

4.2 Setup Items in Offline Mode

NOTE

• Refer to the Maintenance/Troubleshooting guide for information on how to enter offline mode or about operation.

- Cf. Maintenance/Troubleshooting Guide "Offline Mode"
- The number of the setup items to be displayed for 1 page in the offline mode depends on the Display in use. Please refer to the Reference manual for details.

Communication

To display the setting screen, from [Peripheral Settings] in offline mode, touch [Device/PLC Settings]. Touch the External Device you want to set from the displayed list.

Comm.	Device	Option		
SAPHIR SIO			[COM1]	Page 1/1
	SIO Type Speed Data Length Parity Stop Bit Flow Control	RS2320 57600 7 • NON • 1 NONE	e 8 Ie Even 2	ODD
	Timeout(s) Retry Wait To Send(ms)		3 2 •	
	Exit		Back	2010/09/17 16:11:34

Setup Items	Setup Description		
SIO Type	Displays the SIO type to communicate with the External Device.		
Speed	Select the communication speed between the External Device and the Display.		
Data Length	Select the data length.		
Parity	Select how to check parity.		
Stop Bit	Select stop bit length.		
Flow Control	Select the communication control method to prevent overflow of transmission and reception data.		
Timeout	Enter the time (seconds) for which the Display waits for the response from the External Device, from "1 to 127".		
Retry	In case of no response from the External Device, enter how many times the Display retransmits the command, from "0 to 255".		
Wait To Send	Enter the standby time (milliseconds) from when the Display receives packets until it transmits the next command, from "0 to 255".		

Device

To display the setting screen, touch [Device/PLC Settings] from [Peripheral Settings]. Touch the External Device you want to set from the displayed list, and touch [Device].

Comm.	Device	Option		
SAPHIR SIO			[COM1]	Page 1/1
Devic	e/PLC Name PL	01		
	Target ID	6		
	Exit		Back	2010/09/17 16:11:42

Setup Items	Setup Description		
Device/PLC Name	Select the External Device to set. Device/PLC name is the title of the External Device set with GP-Pro EX. (Initial value [PLC1])		
Target ID	Displays the External Device target ID.		

Option

To display the setting screen, touch [Device/PLC Settings] from [Peripheral Settings]. Touch the External Device you want to set from the displayed list, and touch [Option].

Comm.	Device	Option		
SAPHIR SIO	RI / VCC In the case the 9th pin Power Suppl RS232C Isol it to VCC.	 RI of RS232C, you to RI(Input) or y). If you use th ation Unit, pleation 	[COM1] can select VCC(5V we Digital's se select	Page 1/1
	Exit		Back	2010/09/17 16:11:47

Setup Items	Setup Description
RI/VCC	Switches the 9th pin between RI and VCC. When connecting to the IPC, to change between RI and 5V you need to use the IPC's changeover switch. Please refer to the IPC manual for details.

NOTE

• GP-4100 series, GP-4*01TM, LT-4*01TM and LT-Rear Module do not have the [Option] setting in the offline mode.

5 Cable Diagrams

The following cable diagrams may be different from cable diagrams recommended by Siemens Building Technologies. Please be assured there is no operational problem in applying the cable diagrams shown in this manual.

- The FG pin of the External Device body must be grounded according to your country's applicable standard. Refer to your External Device manual for details.
- SG and FG are connected inside the Display. When connecting the External Device to SG, design your system to avoid short-circuit loops.
- Connect an isolation unit if the communication is not stable due to noise or other factors.

Cable Diagram 1

Display (Connection Port)	Cable		Notes
GP3000 (COM1) GP4000 ^{*1} (COM1) SP5000 (COM1/2) ST (COM1) LT3000 (COM1) IPC ^{*2} PC/AT	1A	User-created cable	Cable length: 15m or less
GP-4105 (COM1)	1B	User-created cable	Cable length: 15m or less
LT-4*01TM (COM1) LT-Rear Module (COM1)	1C	RJ45 RS-232C Cable (5m) by Pro-face PFXZLMCBRJR21	Cable length: 5m or less

*1 All GP4000 models except GP-4100 Series and GP-4203T

*2 You can only use COM ports that can communicate using RS-232C.

IPC COM Port (page 4)



NOTE	• Pins 1 and 8 are connected inside the External Device.
	• Do not connect anything to pins 6 and 7 on the External Device.

1B)



NOTE

- Pins 1 and 8 are connected inside the External Device.
- Do not connect anything to pins 6 and 7 on the External Device.

External Device side RJ45 connecter Pin Signal name RXD Display 4 TXD TXD 2 RXD GND 1 (1) GND 8 5 CTS 3 RTS 6 +12V 7

	Legend	Name	Notes
(1)		RJ45 RS-232C Cable (5m) by Pro-face PFXZLMCBRJR21	
	NOTE	Pins 1 and 8 are connected inside the External Device.Do not connect anything to pins 6 and 7 on the External Device.	

1C)

6 Supported Devices

The following table shows the range of supported device addresses. Please note that the actual supported range of the devices varies depending on the External Device to be used. Please check the actual range in the manual of your External Device.

Enter the External Device address in the dialog box below.

	💰 Input Address		×	
1	Device/PLC PLC1		•	
1	Address WACK ISGL G		Bit	
2	 Data Points bCTRDiagnostic (0x0016 0x00000001) Test (0x1000 0x01013C53) wACX36LG (0x0001 0xFFFF96A7) wHSystemClock (0x0010 0x00000001)	Member Name Member ID wAC_0006 0006	Type WORD	3
	wACX36LG (0x0001 0xFFFF96A7)		Enter	
	🔲 Set as Default Value			

1. Address	The address is populated when you select a member. You can also input the address directly.
2. Object	Select the object with the member you want to use.
3. Member	Select the member to use.
NOTE	When the [Set as Default Value] check box is selected, the defined value is used as the initial value when entering a new address.

6.1 SAPHIR Series

Data Type	Bit Address	Word Address	32 bit	Notes
BOOL	Object Name.Member Name	-		*1
ACCESS	-	Object Name.Member Name		*1
WORD15	-	Object Name.Member Name		*1
INT	Object Name.Member Name.00 - Object Name.Member Name.15	Object Name.Member Name	-	*1
WORD	Object Name.Member Name.00 - Object Name.Member Name.15	Object Name.Member Name		*1
FLOAT	-	Object Name.Member Name		*1
LONG	Object Name.Member Name.00 - Object Name.Member Name.31	Object Name.Member Name	rL/H)	*1
ULONG	Object Name.Member Name.00 - Object Name.Member Name.31	Object Name.Member Name		*1
DOUBLE	-	Object Name.Member Name		*1 *2
STR6	-	Object Name.Member Name		*1
STR16	-	Object Name.Member Name		*1
STR20	-	Object Name.Member Name	-	*1
STR40	-	Object Name.Member Name		*1
STR80	-	Object Name.Member Name		*1

*1 Including delimiters and the bit number, the length of the address must be 255 single-byte characters or less. When used in D-Script, the length must be 54 single-byte characters or less.

*2 When using 64 bit devices in GP-Pro EX, values in the top 32 bits are ignored.

NOTE

 You can set only Read Area Size for the system area available to use in the External Device. Please refer to the GP-Pro EX Reference Manual for Read Area Size.
 Cf. GP-Pro EX Reference Manual "LS Area (Direct Access Method Area)"

• Please refer to the precautions on manual notation for icons in the table.

^(C) "Manual Symbols and Terminology"

Data Points Dialog Box Settings

To display the [Data Points] dialog box in GP-Pro EX, in the [Individual Device Settings] dialog box click either [New] or [Edit].



Setup Items	Setup Description
Data Point Name	Enter the Data Point name.
Object list	Displays the objects in the data point.
Member list	Displays the members in the object.
Add	Add an object and a member.
Aud	Image: Second Secon
Delete	Delete the selected member. If you delete all members, the object is also deleted.
Edit	Edit the selected member.
Import	Import a Data Point file (.csv).
Import	Importing Data Points" (page 20)
Object name	Displays the name of the object selected in the object list.

Importing Data Points

1 In GP-Pro EX, open the [Individual Device Settings] dialog box, and from [Target] select the External Device.

💣 Individual Device Setting	s X
PLC1	
Target Settings	
Target	ACX 32/ACX 34
Data Point Name	▼
	New Edit
	OK (D) Cancel

2 Click [New] to display the [Data Points] dialog box.

			Add
Data PointU1			Delete
Data Points			
	Member Name	Member ID Ty	pe Edit
			Import

3 Click [Import] to display the [Select Data Points] dialog box.

Select Data Points				
Data Point File				
C:¥My Documents¥ImportVar.csv				Import
Available Items		Selected Items		
	>>			
J				
Select All Unselect All		Select All	Unselect All	
Type Filter Option			OK.	Cancel
				111

4 Click [Import] to import the data point file (in *.CSV format). Objects in the data point file display in the [Available Items] area.

Refer to the following section that describes the data point file format you will be importing.

∎ " €	Data Point	File Format"	(page 25)
-------	------------	--------------	-----------

Select Data Points	
Data Point File	
C#My Documents#ImportVar.csv	Import
Available Items	Selected Items
Select All Unselect All	Select All Unselect All
Type Filter Option	OK. Cancel

5 Move the objects you want to use to [Selected Items] and click [OK].

Select Data Points		
Data Point File	· _	
C:¥My Documents¥ImportVar.csv		Import
Available Items	Selected Items Image: Constraint of the second s	
Select All Unselect All	Select All Unselect All	
Type Filter Option	ΟΚ	Cancel

NOTE

- Use the following buttons to assist with setting up the objects.
 - •[>>] moves all objects to [Selected Items].
 - •[>] moves selected objects to [Selected Items].
 - •[<] removes selected objects from [Selected Items].
 - •[<<] removes all objects from [Selected Items].
- When all members of an object are selected, the object name displays in red. When only some of the members of an object are selected, the object name displays in blue.
- Click [Type Filter Option] to filter the object display. Select the check boxes of data types you want to display.

Data Type F	ilter		
-Select Data	Types to Show		_
ACCESS		V	
BOOL		V	
DOUBLE		V	
FLOAT		V	
INT		V	
LONG		V	
STR16		v	
STR20			
STR40			
STR6			
STR80			
ULONG			
WORD			
WORD15			
Select Al	Unselect A	<u>All</u>	
		OK Cancel	
			//

6 Imports the file and generates data points.

Data Point Name				Add
ImportVar				
Data Pointe				Delete
	Member Name	Member ID	Tune	Edit
	ЬСТ_0009 БFR_000D	0009 000D	BOOL BOOL	Import
· · · ·				
			<u> </u>	
· · · · · · · · · · · · · · · · · · ·			01	1

NOTE

- When the Data point file has an object or a member that cannot be imported, a message box prompts for a log output.
- After importing, displays member names with 3 letters from the object name plus the member ID. Depending on the object name length, conversion is as follows.
 - Object name is 3 characters or less When the object name is "ABC" and the member ID is "0x0002", the member name after import is "Mem_0002".
 - Object name is 4 characters or more
 - When the object name is "DEFG" and the member ID is "0x0004", the member name after import is "DEF_0004".

Data Point File Format

The data point file (in *.CSV format) imported to GP-Pro EX will have the following format: object name,object type,object ID,member ID,member type

Example Data Point File:

ACX36,0x0001,0xFFFF96A7,0x0010,WORD ACX36,0x0001,0xFFFF96A7,0x0011,WORD ACX36,0x0001,0xFFFF96A7,0x0012,WORD EnableObjects,0x001A,0x0000B9AB,0x1000,WORD EnableObjects,0x001A,0x0000B9AB,0x1001,WORD EnableObjects,0x001A,0x0000B9AB,0x1100,STR16 HMIConfig,0x0012,0x0000001,0x1000,WORD HMIConfig,0x0012,0x0000001,0x1001,WORD

Creating New Data Points

1 From GP-Pro EX, open the [Individual Device Settings] dialog box, and from [Target] select the External Device.

💣 Individual Device Settings	×
PLC1	
Target Settings	
Target	ACX 32/ACX 34
Data Point Name	
	New Edit

2 Click [New] to display the [Data Points] dialog box. Enter the Data Point name.

Data Point Name				Add
Data Point01				
				Delete
Data Points	ManharMana	htenheu ID	Tura	Edit
	Member Name	Memberio	туре	
				Import
				1

3 Click [Add] to display the [Data Point - Add] dialog box.

Data Point - Add	×
Object Information	
Type (Hex)	0000
ID (Hex)	00000000
Name	
Member Information	
ID (Hex)	0000
Name	
Туре	WORD
	OK Cancel

4 Set up the object and member. The settings must be the same as the External Device's data point settings.

Data Point - Add	×
Object Information	
Type (Hex)	1003
ID (Hex)	3C536BF3
Name	TempSensor
Member Information	
ID (Hex)	2000
Name	Limits
Туре	FLOAT
	OK Cancel

The created object and member appear in the list.

Data Points				
Data Point Name				bbA
Data Point01				
				Delete
TempSensor (0x1003 0x3C536BE3)	Member Name	Member ID	Tupe	Edit
	Limits	2000	FLOAT	Import
TempSensor (0x1003 0x3C536BF3)				
			OK	Cancel

7 Device Code and Address Code

Device and address codes are not available.

8 Error Messages

Error messages are displayed on the Display screen as follows: "No. : Device Name: Error Message (Error Occurrence Area)". Each description is shown below.

Item	Description		
No.	Error number		
Device Name	Name of the External Device where an error has occurred. Device/PLC name is the title o the External Device set with GP-Pro EX. (Initial value [PLC1])		
Error Message	Displays messages related to an error that has occurred.		
Error Occurrence Area	 Displays the IP address or device address of the External Device where an error has occurred, or error codes received from the External Device. NOTE IP address is displayed as "IP address (Decimal): MAC address (Hex)". Device address is displayed as "Address: Device address". Received error codes are displayed as "Decimal [Hex]". 		

Example Error Message

"RHAA035:PLC1: Error has been responded for device write command (Error Code: 2 [02H])"

Refer to your External Device manual for details on received error codes.
Refer to "Display-related errors" in "Maintenance/Troubleshooting Guide" for details on the error messages common to the driver.

Error Messages Unique to External Device

Error number	Error Message	Description
RHxx128	(Node name): Target does not match. Configured: (Decimal), Connected: (Decimal)	ID of the configured External Device does not match the ID of the connected External Device. Please select a valid External Device.